

REMARKS

Applicants will address each of the Examiner's objections and rejections in the order in which they appear in the Office Action.

Drawings

The Examiner objects to the drawings under 37 CFR §1.83(a). In particular, the Examiner objects to the drawings and the language in Claims 7 and 13 of "wirings different in material from said anodes are electrically connected to said anodes in regions where said anodes and said cathodes cross each other." Applicants have amended this language in the claims to recite "wirings are different in material from said anodes [are electrically connected to said anodes in regions where said anodes and said cathodes cross each other]." It is respectfully submitted that the specification and drawings support this amended language. Accordingly, it is requested that this objection be withdrawn.

The Examiner also objects to Figs. 1A-1C as being unclear and not in agreement. Applicants propose to amend Fig. 1A to Figs. 1B and 1C as shown in the attached marked-up drawings. Since the cross-section cut lines A-A' and B-B' in Fig. 1A as filed are not a straight lines but are shown as straight lines in Figs. 1B and 1C, Applicants propose to re-label original line A-A' in Fig. 1A as a series of lines A-A', A'-A'', A''-A''', then Fig. 1B would be re-labeled accordingly and shown in a broken format so as to not be straight across. Similarly, original line B-B' would be re-labeled B-B' and B'-B'' with Fig. 1C re-labeled accordingly and shown in broken format. It is respectfully submitted that this makes the drawings consistent and does not add any new matter. For example, corrected Figs. 1B and 1C show that the wirings are disposed parallel to the anodes.

Accordingly, it is requested that this amendment be entered, and the objection to the drawings withdrawn.

Specification

The Examiner also objects to the disclosure under 37 CFR §1.71.¹

In particular, the Examiner has the same objections to the specification as discussed above for the drawings. Applicants respectfully submit that in light of the amendments made herein to Figs. 1A-1C, this objection is now moot. Applicants have also made minor amendments to page 5 of the specification to make the recitation therein consistent with the amended drawings.

Additionally, the Examiner states that the specification is unclear with regard to if the cathode and EL layer are disposed on top of the bank. However, page 6, ln. 25 states "...the EL layer 106 and the cathode 107 which are formed on the bank 105." This is consistent with the amended drawings.

Accordingly, it is respectfully requested that the objections to the specification now be withdrawn.

¹ The Office Action states at this point that there is a shortened period of one month or thirty days to reply to this action (see also the original Office Action Summary). The undersigned checked with the Examiner and discovered that this statement was made in error. The Examiner issued a new Office Action Summary that stated that the shortened statutory period is set to expire 3 months from the mailing date of this communication.

Claim Rejections - 35 USC §112

The Examiner rejects Claims 7-18 under 35 USC §112, first paragraph, for the reason discussed above for Claims 7 and 13. In light of the amendment made to Claims 7 and 13, it is believed that this rejection has been overcome, and it is respectfully requested that it be withdrawn.

Claim Rejections - 35 USC §102, §103

The Examiner also rejects Claims 1-4 and 6 under 35 USC §102(b) as being anticipated by Inoguchi et al. The Examiner has the following further rejections under 35 U.S.C. §103 (a): Claim 5 as being unpatentable over Inoguchi et al. in view of Yudasaka et al.; Claims 19-21 as being unpatentable over Kaneko et al. in view of Codama et al.; Claim 22 as being unpatentable over Inoguchi et al. in view of Fujii; and Claims 23 and 24 as being unpatentable over Kaneko et al. in view of Fujii. Each of these rejections is respectfully traversed.

Independent Claims 1, 7, 13, 19, and 22, as amended, recite the features of anodes formed on an insulator, the anodes arranged in a form of stripes, and wirings formed in contact with portions in each of the anodes. This is clearly supported by the specification, such as for example, at pages 5 and 6, and Figs. 1A-1C.

None of the references disclose or suggest such a structure. Accordingly, it is respectfully submitted that each of the §102 and §103 rejections has been overcome, and it is requested that they now be withdrawn.

New Claims

Applicants are adding 5 new dependent claims. A check in the amount of \$90 (5 x \$18) is included herewith for the fee for these new claims. If any further fee is due, please charge our deposit account 50/1039.

Conclusion

It is respectfully submitted that the present application is now in a condition for allowance, and it is requested that it now be allowed.

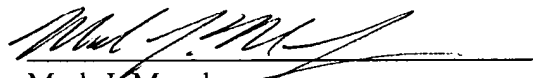
If any further extension of time or fee is needed for submission of this amendment, please consider this the necessary petition for an extension of time and charge our deposit account 50/1039 for any fee due.

In addition, if any further fee should be due for this amendment, please charge our deposit account 50/1039.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

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Marked-up copy of the amendments made herein:

IN THE DRAWINGS:

Please amend the drawings as shown in red in the attached marked-up figures.

IN THE SPECIFICATION:

Please amend the specification as follows:

Please amend the paragraph at page 5, lns. 2-8 as follows:

Now, a description will be given in more detail of preferred embodiments of the present invention with reference to Figs. 1A to 1C. Fig. 1A is a top view showing a pixel portion of a light emitting apparatus in accordance with the present invention. Fig. 1B is a cross-sectional view taken along [a] lines A-A', A'-A'' and A''-A''' in Fig. 1A, and Fig. 1C is a cross-sectional view taken along [a] lines B-B' and B'-B'' in Fig. 1A. The light emitting apparatus shown in those figures is in a state before light emitting elements are sealed in the apparatus.

IN THE CLAIMS:

Please amend the claims as follows:

1. (Amended) A light emitting apparatus, comprising:
an insulator;
anodes formed on said insulator, the anodes arranged in a form of stripes;
wirings formed in contact with portions in each of the anodes;
cathodes formed [on] over said insulator [so as to be orthogonal to said anodes]; and

luminescent materials interposed between said anodes and said cathodes[,
wherein auxiliary wirings are electrically connected to said anodes].

2. (Amended) An apparatus according to claim 1, wherein said [auxiliary] wirings are formed
of a metal film.

7. (Amended) A light emitting apparatus, comprising:
an insulator;
anodes formed on said insulator, the anodes arranged in a form of stripes;
wirings formed in contact with portions in each of the anodes;
cathodes formed [on] over said insulator [so as to be orthogonal to said anodes]; [and]
luminescent materials interposed between said anodes and said cathodes, and
an insulating film formed between said wirings and said luminescent materials,
wherein said wirings are different in material from said anodes [are electrically connected to
said anodes in regions where said anodes and said cathodes cross each other].

13. (Amended) A light emitting apparatus, comprising:
an insulator;
anodes formed on said insulator, the anodes arranged in a form of stripes extending in a first
direction;
wirings formed in contact with portions in each of the anodes, said wirings extending in the
first direction;

cathodes formed [on] over said insulator [so as to be orthogonal to said anodes]; and
luminescent materials interposed between said anodes and said cathodes,
wherein said wirings are made of a material lower in resistance than that of said anodes [are
electrically connected to said anodes in regions where said anodes and said cathodes cross each
other].

19. (Amended) A method of manufacturing a light emitting apparatus, comprising [the steps
of]:

forming anodes [and auxiliary wirings electrically connected to said anodes] on an insulator,
said anodes arranged in a form of stripes extending in a first direction;

forming wirings in contact with portions of each of said anodes, said wirings extending in the
first direction;

forming luminescent materials [on said anodes] formed over the insulator with said anodes
and wirings interposed therebetween; and

forming cathodes on said luminescent materials.

20. (Amended) A method according to claim 19, wherein a material lower in resistance than
that of said anodes is used as said [auxiliary] wirings.

21. (Amended) A method according to claim 20, wherein said [auxiliary] wirings comprise
an element selected from the group consisting of platinum, palladium, nickel, gold, aluminum, copper,
silver, tantalum, tungsten, molybdenum, and titanium.

22. (Amended) A method of manufacturing a light emitting apparatus, comprising [the steps of]:

[forming cathodes on an insulator;

forming luminescent materials on said cathodes; and

forming anodes and auxiliary wirings electrically connected to said anodes on said luminescent materials]

forming anodes on an insulator, said anodes arranged in a form of stripes extending in a first direction;

forming wirings in contact with portions of each of said anodes, said wirings extending in the first direction;

forming an insulating film at least on the wirings and end portions of the each of the anodes;

forming luminescent materials formed over the insulator with said anodes and wirings interposed therebetween; and

forming cathodes on said luminescent materials.

23. (Amended) A method according to claim 22, wherein a material lower in resistance than that of said anodes is used as said [auxiliary] wirings.

24. (Amended) A method according to claim 22, wherein said [auxiliary] wirings comprise an element selected from the group consisting of platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum, and titanium.

Please add the following new claims:

25 (New). An apparatus according to claim 1, further comprising a plurality of banks arranged so as to be orthogonal to said anodes.

26 (New). An apparatus according to claim 7, further comprising a plurality of banks arranged so as to be orthogonal to said anodes.

27 (New). An apparatus according to claim 13, further comprising a plurality of banks arranged in a form of stripes extending in a second direction.

28 (New). A method according to claim 19, further a step of forming a plurality of banks arranged in a form of stripes extending in a second direction after the formation of the wirings..

29 (New). A method according to claim 22, further a step of forming a plurality of banks arranged in a form of stripes extending in a second direction after the formation of the insulating film.